

# EDUCATION (ED)

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## School of Education

Education (<https://www.uaf.edu/soe/academics.php>)  
907-474-7341

### ED F099 Practicum in Education

1-3 Credits

Individualized work experience. Credit is variable from 1 to 3 credits, depending upon the quality and quantity of the work experience. Credit may be earned in most disciplines and programs.

**Lecture + Lab + Other:** 0 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**Repeatable for Credit:** May be taken unlimited times for up to 99 credits

### ED F100 Language, Education, Linguistics (h)

3 Credits

Offered Fall and Spring

Introduction to the field of linguistics as it pertains to the field of education. Includes discussions of language structure, acquisition and bilingualism, and variation and public policy. The course does not satisfy requirements for the B.A. in Linguistics.

**Cross-listed with** LING F100.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

### ED F110 Becoming a Teacher in the 21st Century

1 Credit

Offered Fall and Spring

Introduction to the UAF School of Elementary and Secondary undergraduate teaching degrees with a review of requirements, resources, and opportunities. Overview of K-12 teaching as a career with a focus on working in culturally, linguistically and geographically diverse schools and communities in Alaska and other locations.

**Lecture + Lab + Other:** 1 + 0 + 0

**Grading System:** Pass/Fail Grades

### ED F111 Teaching for Alaska's Future

3 Credits

Offered As Demand Warrants

Participants will complete a series of six web-based modules introducing and investigating five core practices in place-based teaching and classroom management. For students interested in pursuing a teaching certification program, this course provides an introduction to the profession and an overview of pathways to teaching in Alaska.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

### ED F201 Introduction to Education

3 Credits

Offered Fall and Spring

Introduction to the profession of education and specifically, the field of teaching. Review of social, political, cultural and historical factors that influence education and schools at the national and Alaska state level. Field experience required.

**Prerequisites:** ED F110, ED F111; WRTG F111X; sophomore standing.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

### ED F204 Literature for Children

3 Credits

Offered Fall and Spring

Examination of effective uses of literature to promote learning. Critical analysis of authors, illustrators and content of children's literature representative of multiple genres and diverse peoples and perspectives-including Alaska literature. Criteria review for book selection and application of review process to books selected by students based on professional recommendations/reviews.

**Prerequisites:** ED F201.

**Special Notes:** Field experience required.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

### ED F206 Core Practices in Place and Arts-Based Teaching (h)

3 Credits

Offered Fall and Spring

Examination of how to bring local cultural knowledge into the curriculum and equip teachers with the knowledge and skills to teach in and through culture and the arts. Participants will investigate high-leverage teaching practices focused on arts and place-based teaching.

**Prerequisites:** ED F110, ED F201, WRTG F111X (C or better grade) and sophomore standing.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

### ED F237A Technology Tools for Teachers: Collaborate/Hangouts

0.5 Credit

Offered As Demand Warrants

Designed to equip pre-service teachers with the necessary technical skills to be successful in their pre-service programs. This module covers the use of Blackboard Collaborate and Google Hangouts for participating in UA course work online. Each module will require approximately 6 hours of direct instruction and 4-8 hours of lab work.

**Special Notes:** Successful challenge or completion of all modules is a prerequisite for ED F329.

**Lecture + Lab + Other:** 0.5 + 2 + 0

**Grading System:** Pass/Fail Grades

### ED F237B Technology Tools for Teachers: Blackboard

0.5 Credit

Offered As Demand Warrants

Designed to equip pre-service teachers with the necessary technical skills to be successful in their pre-service programs. This module covers the use of a calendar and discussion board, submitting assignments and checking grades. Each module will require approximately six hours of direct instruction and four to eight hours of lab work.

**Special Notes:** Successful challenge or completion of all modules is a prerequisite for ED F329.

**Lecture + Lab + Other:** 0.5 + 2 + 0

**Grading System:** Pass/Fail Grades

**ED F237C Technology Tools for Teachers: Google Drive**

0.5 Credit

Offered As Demand Warrants

Designed to equip pre-service teachers with the necessary technical skills to be successful in their pre-service programs. This module covers the use of Google Drives (Google Apps) for word processing, creating presentations, working with spreadsheets/charting, converting documents to Office format and sharing of documents. Each module will require approximately six hours of direct instruction and four to eight hours of lab work.

**Special Notes:** Successful challenge or completion of all modules is a prerequisite for ED F329.

**Lecture + Lab + Other:** 0.5 + 2 + 0

**Grading System:** Pass/Fail Grades

**ED F237D Technology Tools for Teachers: Office**

0.5 Credit

Offered As Demand Warrants

Designed to equip pre-service teachers with the necessary technical skills to be successful in their pre-service programs. Each module will require approximately six hours of direct instruction and four to eight hours of lab work. This module covers the basic uses of Microsoft Office (Word, PowerPoint, Excel) for productivity tasks.

**Prerequisite:** Access to MS Office is required.

**Special Notes:** Successful challenge or completion of all modules is a prerequisite for ED F329.

**Lecture + Lab + Other:** 0.5 + 2 + 0

**Grading System:** Pass/Fail Grades

**ED F245 Child Development (s)**

3 Credits

Offered Fall and Spring

A study of the physical, cultural, emotional, cognitive and social aspects of a child's development from prenatal period through early adolescence. Focus on developmental theories including Erickson, Gardner, Gilligan, Kagen, Sternberg, Vygotsky and other contemporary theories of child and adolescent development.

**Prerequisites:** WRTG F111X.

**Cross-listed with** PSY F245.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**ED F299 Practicum in Education**

1-3 Credits

Offered As Demand Warrants

**Lecture + Lab + Other:** 0 + 0 + 0

**Grading System:** Pass/Fail Grades

**Repeatable for Credit:** May be taken unlimited times for up to 6 credits

**ED F303 Language Acquisition (s)**

3 Credits

Offered As Demand Warrants

Theories of the acquisition and development of first and second languages, including consideration of biological and sociocultural factors. Survey of traditional and contemporary theories, and implications for pedagogy and public policy.

**Prerequisites:** COM F131X or COM F141X; WRTG F111X; WRTG F211X, WRTG F212X, WRTG F213X or WRTG F214X.

**Recommended:** LING F101X.

**Cross-listed with** LING F303.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**ED F329 Teaching with Technology**

3 Credits

Offered Fall and Spring

Participants will examine multiple technology-based strategies that promote learning in P-12 classrooms. The class will examine mobile as well as desktop/laptop technologies, exploring a variety of topics including: collaboration, communication, content and classroom management apps, the role of social media in school, and the ISTE Standards for Educators.

**Prerequisites:** Approval from School of Education academic advisor, laptop or iPad required.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**ED F330 Assessment of Learning**

3 Credits

Offered Fall

Review and examination of the range of traditional and alternative assessment and evaluation approaches used in educational contexts. Focus is on developing assessment practices and policies that are appropriate for the diverse student population in Alaska's rural and urban schools. Field experience required.

**Prerequisites:** ED F201; a mathematics baccalaureate core course.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**ED F344 Foundations of Literacy Development**

3 Credits

Offered Spring

Introduction to best practices in research-based methods for teaching and learning of reading and writing. Emphasis on a developmental approach to the literacy development of children in school and home settings. Field experience required.

**Prerequisites:** ED F201; WRTG F111X; WRTG F211X, WRTG F212X, WRTG F213X or WRTG F214X; upper-division standing; laptop computer required.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**ED F411 Reading, Writing, Language Arts: Methods and Curriculum Development**

3 Credits

Offered Fall

Study and application in the classroom of best practices from research-based strategies for the teaching and learning of reading, writing and language arts concepts. Includes content and methods for students in elementary classrooms with diverse populations. Requires development and classroom implementation of integrated reading and writing unit. Concurrent internship required.

**Prerequisites:** Admission to Internship Year.

**Lecture + Lab + Other:** 2.5 + 0 + 1.5

**Grading System:** Letter Grades with option of Plus/Minus

**ED F412 Integrated Social Studies and Language Arts: Methods and Curriculum Development**

3 Credits

Offered Fall

Study and application in the classroom of best practices from research-based strategies for the teaching and learning of social studies concepts, content, and methods integrated with language arts for students in elementary classrooms with diverse populations. Requires development and classroom implementation of integrated social studies and language arts unit.

**Prerequisites:** WRTG F111X; WRTG F211X, WRTG F212X, WRTG F213X or WRTG F214X; admission to Internship Year.

**Co-requisites:** Concurrent internship required; ED F411; ED F414; ED F466; ED F467; ED F478.

**Stacked with** ED F602.

**Lecture + Lab + Other:** 2 + 0 + 3

**Grading System:** Letter Grades with option of Plus/Minus

**ED F414 Art, Music and Drama in Elementary Classrooms**

3 Credits

Offered Fall

Exploration and application, in the classroom, of theory, practice, methods and materials used in teaching in and through visual art, music and drama. Concurrent internship required.

**Prerequisites:** Admission to the Internship Year.

**Co-requisites:** ED F411; ED F412; ED F466; ED F467; ED F478.

**Stacked with** ED F605.

**Lecture + Lab + Other:** 1.5 + 0 + 4.5

**Grading System:** Letter Grades with option of Plus/Minus

**ED F417 Physical Activity and Health Education for Elementary Teachers**

3 Credits

Offered Spring

Introduction and application of the relationship between physical fitness and good health in a school setting. Includes introducing students to fundamental movement activities and games. Includes incorporating health curriculum and injury prevention and safety into practices and policies, and issues specific to the Alaska context. Concurrent internship required.

**Prerequisites:** Admission to the Internship Year.

**Co-requisites:** ED F468; ED F469; ED F476; ED F479.

**Stacked with** ED F617.

**Lecture + Lab + Other:** 1.5 + 0 + 4.5

**Grading System:** Letter Grades with option of Plus/Minus

**ED F420 Alaska Native Education (an, s)**

3 Credits

Offered Fall and Spring

School systems historically serving Native people, current efforts toward local control and the cross-cultural nature of this education. Field experience required.

**Prerequisites:** ANS F242X; junior standing.

**Cross-listed with** ANS F420.

**Stacked with** ED F606.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**ED F431 Web 2.0 Fundamentals: Participate, Produce, Publish**

3 Credits

Offered As Demand Warrants

Examine the impact of Web 2.0, cloud computing and mobile technologies on K-12 education and other social institutions. Establish and publish to frameworks--web-based e-portfolio, personal learning network, blog, podcasts--that will form the core elements of the M.Ed. Instructional Technology Innovation (MITI).

**Prerequisites:** Admission to the Master of Education program.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**ED F432 Fundamentals of Media Design**

3 Credits

Offered As Demand Warrants

Create and publish materials with proper media design for use in teaching and learning. Topics include photo and graphics formatting, video production, video podcast production, SMART technologies, static screen capture and motion screen capture. These productions will be included on students' MITI e-portfolios.

**Prerequisites:** Admission to the Master of Education program.

**Special Notes:** This course is a prerequisite for subsequent MITI courses and should be taken after or concurrently with ED F431 Web 2.0 Fundamentals: Participate, Produce, Publish.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**ED F439 Supporting Multilingual Learners in the Elementary Classroom (h)**

3 Credits

Offered As Demand Warrants

Participants will complete web-based modules investigating the history of and current teaching practices for supporting English Learners in the classroom. The history and contemporary context of supporting English learners in schools will be explored as well as ways to create positive learning environments and scaffolding instruction throughout content areas.

**Prerequisites:** Junior or senior standing.

**Stacked with** ED F639.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**ED F440 Gender and Education (s)**

3 Credits

Offered As Demand Warrants

Educational practices and processes and their relation to the changing situation of women in society. Examination of schools as sites of pervasive gender socialization and discrimination as well as offering new possibilities for liberation. Topics include social construction of gender, patterns of access and achievements, gender as an organizing principle in schools and classrooms, and feminist agendas and strategies for change.

**Prerequisites:** Junior standing.

**Cross-listed with** WGS F440.

**Stacked with** ED F640.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**ED F449 Elementary Art Methods**

3 Credits

Offered As Demand Warrants

Methodologies of instruction and assessment in art education at the elementary level. Focus is on the knowledge and tools necessary to become excellent elementary art educators. Students will be expected to construct lessons reflecting theory and practice that are developmentally appropriate for elementary level students of all ages.

**Prerequisites:** Admission to K-12 Art post-baccalaureate licensure program or to M Ed in Curriculum and Instruction option for post-baccalaureate students.

**Stacked with** ED F649.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**ED F452 Elementary Internship**

3-15 Credits

Offered As Demand Warrants

Supervised teaching in elementary schools approved by the School of Education. Students should expect to be involved in the school setting for some or all of the school day (depending on the number of credits taken) for the entire university semester. Post-baccalaureate students must be admitted to the Art K-12 licensure program. Passing Praxis I scores.

**Prerequisites:** COM F131X or COM F141X; successful completion of methods practicum and methods coursework with a C or better.

**Special Notes:** The School of Education may limit enrollment, determine assignments and cancel the registration of students doing unsatisfactory work.

**Lecture + Lab + Other:** 1 + 0 + 42

**Grading System:** Pass/Fail Grades

**ED F453 Secondary Internship**

3-15 Credits

Offered As Demand Warrants

Supervised teaching in secondary schools approved by the School of Education. Students should expect to be involved in the school setting for some or all of the school day (depending on the number of credits taken) for the entire university semester. The School of Education may limit enrollment, determine assignments. Passing Praxis I scores.

**Prerequisites:** COM F131X or COM F141X; and successful completion of methods practicum and methods coursework with a C or better.

**Special Notes:** Post-baccalaureate students must be admitted to K-12 Art licensure program.

**Lecture + Lab + Other:** 1 + 0 + 42

**Grading System:** Pass/Fail Grades

**ED F454 Student Teaching K-12**

15 Credits

Offered As Demand Warrants

Supervised teaching in both elementary and secondary schools approved by the Music Department and the School of Education. Open only to Music majors seeking K-12 certification. Students should expect to be involved in the school setting for the entire school day for the entire university semester. The department may limit. Passing Praxis scores. For Bachelor of Music students, see B.M. degree requirements.

**Prerequisites:** COM F131X or COM F141X, successful completion of methods practicum and methods coursework with a C or better.

**Lecture + Lab + Other:** 1 + 0 + 42

**Grading System:** Pass/Fail Grades

**ED F456 Orientation to Teaching in Rural Alaska**

3 Credits

Offered As Demand Warrants

Needs of rural schools, their environments and the recipients of school services with special attention given to cross-cultural educational issues.

**Prerequisites:** Permission of instructor.

**Lecture + Lab + Other:** 2 + 3 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**ED F461 Native Ways of Knowing (an, h)**

3 Credits

Offered Spring Odd-numbered Years

Focus on how culture and worldview shape who we are and influence the way we come to know the world around us. Emphasis on Alaska Native knowledge systems and ways of knowing.

**Prerequisites:** Upper-division standing.

**Cross-listed with** ANS F461.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**ED F466 Internship and Collaborative Student Teaching**

3 Credits

Offered Spring

Supervised internship for students in the first half of a year-long professional internship in elementary teacher education. Includes immersion in planning and teaching. Course work is integrated into the internship experience. Interns are assessed in relationship to UAF/Alaska state and national standards.

**Prerequisites:** Admission to Internship Year.

**Lecture + Lab + Other:** 1.5 + 0 + 12

**Grading System:** Pass/Fail Grades

**ED F467 Classroom Management Communication and Collaboration I**

2 Credits

Offered Spring

For student interns participating in the first half of the professional internship year. Focus, of course, is UAF/Alaska Teacher Standards 6 (Classroom Management and Organization), Standard 7 (Partnerships with Parents, Families and Community) and Standard 8 (Professionalism and Collaboration). Interns complete and reflect on collaborative experiences and activities both within and outside their school and improve classroom communication skills through collection and analysis of selected artifacts to document and provide evidence of professional development and achievement relative to UAF/Alaska Teacher Standards. Concurrent internship required.

**Prerequisites:** Admission to Internship Year.

**Lecture + Lab + Other:** 1 + 0 + 8

**Grading System:** Letter Grades with option of Plus/Minus

**ED F468 Internship and Student Teaching**

4 Credits

Offered Fall

For student interns participating in the second half of the year-long professional elementary teacher education internship. Interns must spend at least four days per week in the classroom, one month full-time in the classroom including at least three weeks of full responsibility for the classroom. Builds on ED F466 requirements.

**Prerequisites:** COM F131X or COM F141X; admission to the Internship Year.

**Lecture + Lab + Other:** 2 + 0 + 6

**Grading System:** Pass/Fail Grades

**ED F469 Classroom Management Communication and Collaboration II**

2 Credits

Offered Fall

For student interns participating in the second half of the professional internship year. Interns use the UAF/Alaska Teacher Standards 1 (Philosophy), 5 and 6 (planning components), 7 (Families and Community) and 8 (Professionalism) as a basis for examining field- and course-based experiences and activities during the internship year. Interns formally present completed portfolios for reviews and evaluations. Concurrent internship required.

**Prerequisites:** Admission to 2nd semester of the Internship Year.

**Special Notes:** Requires collection and analysis of selected artifacts to document and provide evidence of professional development and achievement relative to UAF/Alaska educational standards.

**Lecture + Lab + Other:** 1 + 0 + 3

**Grading System:** Letter Grades with option of Plus/Minus

**ED F476 Assessment of Literacy Development**

1 Credit

Offered Spring

Interns will review, evaluate and create assessments to document elementary student literacy development. Interns will analyze results of literacy assessments and develop plans for instruction for each elementary student. Assessments may include teacher-made quizzes or tests, anecdotal records based on observing children, student reading and writing samples, and spelling assessments.

**Prerequisites:** Admission to the internship year.

**Lecture + Lab + Other:** 1 + 0 + 22

**Grading System:** Letter Grades with option of Plus/Minus

**ED F478 Mathematics Methods and Curriculum Development**

3 Credits

Offered Fall

Study and application in the classroom of best practices from research-based strategies for the teaching and learning of mathematical concepts, content and methods for students in elementary classrooms with diverse populations. Requires development and classroom implementation of mathematics unit. Concurrent internship required.

**Prerequisites:** Admission to Internship Year.

**Stacked with** ED F678.

**Lecture + Lab + Other:** 2 + 0 + 8

**Grading System:** Letter Grades with option of Plus/Minus

**ED F479 Science Methods and Curriculum Development**

3 Credits

Offered Spring

Study and application in the classroom of the best practices from research-based strategies for the teaching and learning of science concepts, content and methods for students in elementary classrooms with diverse populations. Requires development and classroom implementation of science unit. Classroom internship required.

**Prerequisites:** Admission to internship year; concurrent enrollment in other internship year courses; Alaska passing scores for three Praxis I exams.

**Stacked with** ED F688.

**Lecture + Lab + Other:** 2.5 + 0 + 4

**Grading System:** Letter Grades with option of Plus/Minus

**ED F486 Media Literacy (h)**

3 Credits

Offered Fall and Spring

Promotes critical thinking skills that empower people to make independent judgments and informed decisions in response to information conveyed through the channels of mass communications. Emphasis on developing students and others into critical viewers, listeners and readers of media.

**Prerequisites:** COM F131X or COM F141X; junior standing; laptop computer.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**ED F601 Introduction to Applied Social Science Research**

3 Credits

Offered Fall and Summer

Review of the most common educational research paradigms, data gathering techniques and analytical tools used in the study of human behavior and educational institutions. Attention will be given to collaborative research models, with a focus on the translation of research results into practical application.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**ED F602 Integrated Social Studies and Language Arts: Methods and Curriculum Development**

3 Credits

Offered Fall

Study and application in the classroom of best practices from research-based strategies for the teaching and learning of social studies concepts, content, and methods integrated with language arts for students in elementary classrooms with diverse populations. Requires development and classroom implementation of integrated social studies and language arts unit.

**Prerequisites:** Admission to the Internship Year.

**Co-requisites:** Concurrent internship required; ED F411; ED F466; ED F467; ED F605; ED F678.

**Stacked with** ED F412.

**Lecture + Lab + Other:** 2 + 0 + 3

**Grading System:** Letter Grades with option of Plus/Minus

**ED F603 Field Study Research Methods**

3 Credits

Offered Spring and Summer

Focus on techniques for conducting both quantitative and qualitative field research. Particular emphasis on considerations for conducting field research in cross-cultural settings.

**Prerequisites:** Graduate standing.

**Cross-listed with** CCS F603.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**ED F604 Documenting Indigenous Knowledge**

3 Credits

Offered Fall

A thorough grounding in research methodologies and issues associated with documenting and conveying the depth and breadth of Indigenous knowledge systems and their epistemological structures. Includes a survey of oral and literate data-gathering techniques, a review of various modes of analysis and presentation, and a practical experience in real-life settings.

**Recommended:** Graduate-level survey course in research methods.

**Cross-listed with** CCS F604.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**ED F605 Art, Music and Drama in Elementary Classrooms**

3 Credits

Offered Fall

Exploration and application, in the classroom, of theory, practice, methods and materials used in teaching in and through visual art, music and drama. Concurrent internship required.

**Prerequisites:** Admission to the Internship Year.

**Co-requisites:** ED F411; ED F466; ED F467; ED F602; ED F678.

**Stacked with** ED F414.

**Lecture + Lab + Other:** 1.5 + 0 + 4.5

**Grading System:** Letter Grades with option of Plus/Minus

**ED F606 Alaska Native Education**

3 Credits

Offered Fall and Spring

School systems historically serving Native people, current efforts toward local control and the cross-cultural nature of this education. Field experience required.

**Prerequisite:** ANTH F242 and graduate standing.

**Stacked with** ANS F420; ED F420.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**ED F608 Indigenous Knowledge Systems**

3 Credits

Offered Fall

A comparative survey and analysis of the epistemological properties, world views and modes of transmission associated with various Indigenous knowledge systems. Emphasis on knowledge systems practiced in Alaska.

**Prerequisites:** Graduate standing.

**Cross-listed with** CCS F608; RD F608; ANL F608.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**ED F610 Education and Cultural Processes**

3 Credits

Offered Fall Even-numbered Years

Advanced study of the function of education as a cultural process and its relation to other aspects of a cultural system. Students will be required to prepare a study in which they examine some aspect of education in a particular cultural context.

**Cross-listed with** CCS F610.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**ED F611 Culture, Cognition and Knowledge Acquisition**

3 Credits

Offered Fall Odd-numbered Years

An examination of the relationship between learning, thinking and perception in multicultural contexts. Particular emphasis will be on the implications of these relationships for schooling. Content will focus on cultural influences on perception, conceptual processes, learning, memory and problem solving. Content will also reflect concern for practical teaching problems.

**Cross-listed with** CCS F611.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**ED F612 Foundations of Education**

3 Credits

Offered As Demand Warrants

Students will explore the interplay between cultural processes and various philosophical positions adopted by educators in the design and practice of pedagogy, learn the history of public school education in the U.S. and Alaska and analyze the policies affecting public school education today.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**ED F613 Alaska Standards for Culturally Responsive Schools**

3 Credits

Offered As Demand Warrants

Guidelines, rationale and resources for adapting educational policies, programs and practices to better address the cultural well-being of the students and communities they serve. Content will be grounded in the Alaska Standards for Culturally Responsive Schools, including standards for students, teachers, curriculum, schools and communities.

**Cross-listed with** CCS F613.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**ED F616 Education and Socioeconomic Change**

3 Credits

Offered Fall

An examination of social change processes, particularly in relation to the deliberate development of new institutions and resulting forms of new consciousness. Emphasis is placed on the role of education and schooling in this development dynamic.

**Cross-listed with** CCS F616.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**ED F617 Physical Activity and Health Education for Elementary Teachers**

3 Credits

Offered Spring

Introduction and application of the relationship between physical fitness and good health in a school setting. Includes introducing students to fundamental movement activities and games. Includes incorporating health curriculum and injury prevention and safety into practices and policies, and issues specific to the Alaska context. Concurrent internship required.

**Prerequisites:** Admission to the Internship Year.

**Co-requisites:** ED F468; ED F469; ED F476; ED F688.

**Stacked with** ED F417.

**Lecture + Lab + Other:** 1.5 + 0 + 4.5

**Grading System:** Letter Grades with option of Plus/Minus

**ED F619 Cultural Atlases as a Pedagogical Strategy**

3 Credits

Offered Spring Even-numbered Years

The course provides an in-depth look at how teachers can utilize technology and academics with oral traditions and offers a vehicle for helping communities define themselves and their unique cultural identity.

**Prerequisites:** Graduate standing.**Cross-listed with** CCS F619.**Lecture + Lab + Other:** 3 + 0 + 0**Grading System:** Letter Grades with option of Plus/Minus**ED F620 Language, Literacy and Learning**

3 Credits

Offered Spring

This course examines the relationship among language, culture and mind to understand literacy. Specific areas of emphasis include literacy theory, literacy acquisition, orality, critical literacy, multi-modal literacies, media literacy and future literacies. The goal is the understand literacy as a cultural and cognitive phenomenon that informs praxis. Fieldwork is required.

**Lecture + Lab + Other:** 3 + 0 + 1**Grading System:** Letter Grades with option of Plus/Minus**ED F621 Cultural Aspects of Language Acquisition**

3 Credits

Offered As Demand Warrants

An expanded view of the ways in which individuals become socialized into particular patterns of first and second language and literacy. The ongoing acquisition of both oral and written language(s) from early childhood through adult life. Topics will include: the cultural dimensions of language development; the relationship between communication and culture; bilingualism; and the role of language in the transmission of sociocultural knowledge.

**Cross-listed with** LING F621.**Lecture + Lab + Other:** 3 + 0 + 0**Grading System:** Letter Grades with option of Plus/Minus**ED F624 Foundations of Education in Alaska: From Segregation to Standards**

3 Credits

Offered Summer

Review the foundation of American and Alaska education and examine historical, political, social and cultural factors that impact today's schools. Examine how local, state and national laws and policies influence the teaching profession. Consider the role standards play in education, and identify ways to utilize assessment data to shape instruction.

**Prerequisites:** Admission to Internship Year; a laptop computer.**Lecture + Lab + Other:** 3 + 0 + 0**Grading System:** Letter Grades with option of Plus/Minus**ED F625 Exceptional Learners and Child Development: Individual and Cultural Characteristics**

3 Credits

Offered Summer

Foundation for understanding, identifying and teaching to developmental abilities of children and early adolescents. Human development examined in context of cognition, personality, social behavior, language and physical development with focus on understanding and using cross-cultural influences specific to Alaska. Emphasis on development of children with exceptional abilities.

**Prerequisites:** Admission to Internship Year.**Lecture + Lab + Other:** 3 + 0 + 0**Grading System:** Letter Grades with option of Plus/Minus**ED F626 Teaching Reading, Writing and Language Arts**

3 Credits

Offered Summer

Examination of the nature and process of reading and writing for elementary students and focus on process of developing a language arts program. Includes acquisition and role of language in this process.

Examination and evaluation of materials and methods of teaching language arts, including those used in some Alaska districts.

**Prerequisites:** Admission to Internship Year.**Lecture + Lab + Other:** 3 + 0 + 0**Grading System:** Letter Grades with option of Plus/Minus**ED F630 Curriculum Development**

3 Credits

Offered Summer

Study of curriculum foundation. Examines types of curricular frameworks, including traditional and indigenous models. Current influences of district, state, national and international curriculum models are discussed. Curriculum design practice connects standards, goals and learning experiences to guide student learning. Fieldwork is required.

**Lecture + Lab + Other:** 3 + 0 + 1**Grading System:** Letter Grades with option of Plus/Minus**ED F631 Culture, Community and the Curriculum**

3 Credits

Offered As Demand Warrants

Salient issues involved with the development of effective programs of instruction in small schools, including foundational design, conceptual models, organizational strategies, technical skills, current issues and trends, and their implications and application to the environment of rural Alaska.

**Cross-listed with** CCS F631.**Lecture + Lab + Other:** 3 + 0 + 0**Grading System:** Letter Grades with option of Plus/Minus**ED F637 Designing Social Science Research Overview**

2 Credits

Offered As Demand Warrants

Overview of designing social science research. Investigations into constructing and analyzing a variety of research designs and data collection methods for social science research. General procedures for conducting literature reviews. Includes overview of Institutional Review Board (IRB) policy and procedures.

**Prerequisites:** ED F601, ED F603, or similar graduate level introductory research course.**Special Notes:** This course as the first (of six) of the series is intent on learning how to design research.**Lecture + Lab + Other:** 2 + 0 + 0**Grading System:** Letter Grades with option of Plus/Minus

**ED F638 Designing Social Science Research in Depth**

2 Credits

Offered As Demand Warrants

In-depth learning of quantitative and/or qualitative within social science research. Investigations into constructing and analyzing research designs and data collection methods for social science research. Introductions to the software applications of Atlas.ti for qualitative analysis and SPSS for quantitative analysis.

**Prerequisites:** ED F637.

**Special Notes:** This course as the second of the series is intent on completing students' research design by looking ahead to data collection and refining all of the essential pieces such as problem statement, research questions, methodology and methods.

**Lecture + Lab + Other:** 2 + 0 + 0**Grading System:** Letter Grades with option of Plus/Minus**ED F639 Supporting Multilingual Learners in the Elementary Classroom**

3 Credits

Offered As Demand Warrants

Participants will complete web-based modules investigating the history of and current teaching practices for supporting English Learners in the classroom. The history and contemporary context of supporting English learners in schools will be explored as well as ways to create positive learning environments and scaffolding instruction throughout content areas.

**Prerequisites:** Graduate level standing.**Stacked with** ED F439.**Lecture + Lab + Other:** 3 + 0 + 0**Grading System:** Letter Grades with option of Plus/Minus**ED F640 Gender and Education**

3 Credits

Offered As Demand Warrants

Educational practices and processes and their relation to the changing situation of women in society. Examination of schools as sites of pervasive gender socialization and discrimination as well as offering new possibilities for liberation. Topics include social construction of gender, patterns of access and achievements, gender as an organizing principle in schools and classrooms, and feminist agendas and strategies for change.

**Stacked with** ED F440; WGS F440.**Lecture + Lab + Other:** 3 + 0 + 0**Grading System:** Letter Grades with option of Plus/Minus**ED F647 Conducting Social Science Research Overview**

2 Credits

Offered As Demand Warrants

Data collection techniques for quantitative and/or qualitative methods. Investigations into collecting and synthesizing quantitative and/or qualitative data for use in social science research. Includes software applications of Atlas.ti for qualitative analysis and SPSS for quantitative analysis. Topics included are often not covered in many other courses such as how to create tools to gather the necessary data. Alignment with the methodology, research questions and design are built-in through the series as the work here continues to build upon the courses prior.

**Prerequisites:** ED F638.

**Special Notes:** As the third of six of the series, this course moves to actual data collection techniques connected to students' social science research.

**Lecture + Lab + Other:** 2 + 0 + 0**Grading System:** Letter Grades with option of Plus/Minus**ED F648 Conducting Social Science Research in Depth**

2 Credits

Offered As Demand Warrants

In-depth investigations into collecting and synthesizing quantitative and qualitative data for use in mixed methods research. Includes software applications of Atlas.ti for qualitative analysis and SPSS for quantitative analysis.

**Prerequisites:** ED F647.

**Special Notes:** This course as the fourth of six of the series is intent on completing the data collection by investigating psychometrics, looking ahead to data analysis and looking back for consistency with the methodology, research questions and research design.

**Lecture + Lab + Other:** 2 + 0 + 0**Grading System:** Letter Grades with option of Plus/Minus**ED F649 Elementary Art Methods**

3 Credits

Offered As Demand Warrants

Methodologies of instruction and assessment in art education at the elementary level. Focus is on the knowledge and tools necessary to become excellent elementary art educators. Students will be expected to construct lessons reflecting theory and practice that are developmentally appropriate for elementary level students of all ages.

**Prerequisites:** Admission to K-12 Art post-baccalaureate licensure program or M Ed in Curriculum and Instruction option for post-baccalaureate students.

**Stacked with** ED F449.**Lecture + Lab + Other:** 3 + 0 + 0**Grading System:** Letter Grades with option of Plus/Minus**ED F650 Multicultural Education And Design**

3 Credits

Offered Fall

Participants study professional and personal technology based topics relevant to various career fields in education, with emphasis on current events, emerging technologies and ethical considerations. Readings, research papers, and discussions lead to the development of an instructionally oriented technology proposal that includes an implementation plan and formal presentation.

**Lecture + Lab + Other:** 3 + 0 + 0**Grading System:** Letter Grades with option of Plus/Minus**ED F651 Analyzing Social Science Research**

2 Credits

Offered As Demand Warrants

Data analysis techniques for social science research. Investigations into qualitative coding and analysis and/or review of statistical analysis both univariate and multivariate within the context of social science research. Includes use of SPSS and Atlas.ti. Topics included are specialized to support the research design, methodology and data collection efforts of the peer group.

**Prerequisites:** ED F648.

**Special Notes:** This course as the fifth of six of the series moves to actual data analysis techniques for social science research.

**Lecture + Lab + Other:** 2 + 0 + 0**Grading System:** Letter Grades with option of Plus/Minus

**ED F652 Presenting Social Science Research Results**

2 Credits

Offered As Demand Warrants

Data presentation techniques for social science research. Investigations into presenting qualitative and/or statistical analysis results within the context of social science research. Includes use of SPSS and Atlas.ti. Topics included are specialized to support the research design, methodology and data collection efforts of the peer group.

**Prerequisites:** ED F651.

**Special Notes:** This course as the sixth and final of the series concludes the process with a focus on data presentation from a holistic perspective.

**Lecture + Lab + Other:** 2 + 0 + 0**Grading System:** Letter Grades with option of Plus/Minus**ED F653 Instructional Design**

3 Credits

Offered As Demand Warrants

Instructional design combines technology skills with application of learning theory to maximize the effectiveness of education. This course explores instructional design from a practical perspective. Students will acquire hands-on practice with a variety of computer-based tools while exploring instructional methods and principles of design.

**Prerequisite:** Admission to the Master of Education program.**Lecture + Lab + Other:** 3 + 0 + 0**Grading System:** Letter Grades with option of Plus/Minus**ED F654 Digital Citizenship, Internet Legal Issues, Digital Copyright and Fair Use**

3 Credits

Offered As Demand Warrants

An examination of critical elements of digital citizenship, a survey of contemporary legal issues, and an exploration of copyright, fair use, and intellectual property relevant to educators and instructional designers. Also available online via UAF eCampus.

**Prerequisites:** Admission to the Master of Education program.**Lecture + Lab + Other:** 3 + 0 + 0**Grading System:** Letter Grades with option of Plus/Minus**ED F655 Online Pedagogy**

3 Credits

Offered As Demand Warrants

A study of theory, tools and methods for teaching online courses. Topics include prominent learning theories, affordance of new technologies, strategies for assessment and techniques for classroom management in an online environment. Students will develop and articulate a personal philosophy of teaching and learning appropriate for the 21st Century.

**Prerequisite:** Admission to the Master of Education program.**Lecture + Lab + Other:** 3 + 0 + 0**Grading System:** Pass/Fail Grades**ED F659 Multimedia Tools for Educators**

3 Credits

Offered Fall

Emerging technologies and software applications in education. The use of multimedia in designing teaching/learning experiences will be emphasized. Students will develop a multimedia classroom presentation and will demonstrate knowledge of Internet resources.

**Lecture + Lab + Other:** 1 + 6 + 0**Grading System:** Letter Grades with option of Plus/Minus**ED F660 Educational Administration in Cultural Perspective**

3 Credits

Offered As Demand Warrants

Issues related to the social organization and socio-political context of schools, administrative and institutional change processes and the changing role of administrators in education, using a cross-cultural framework for analysis.

**Lecture + Lab + Other:** 3 + 0 + 0**Grading System:** Letter Grades with option of Plus/Minus**ED F670 Developing Literacy: ECE-12**

3 Credits

Offered As Demand Warrants

Explores literacy from early childhood through grade 12. Includes an emphasis on developmental aspects of literacy, underlying social and cognitive processes, cultural influences, and the pedagogical implications for teachers. Considers the needs of English language learners with respect to reading/literacy.

**Prerequisite:** LING F602.**Lecture + Lab + Other:** 3 + 0 + 0**Grading System:** Letter Grades with option of Plus/Minus**ED F673 Literacy in the Content Area**

3 Credits

Offered As Demand Warrants

Students will develop knowledge of strategies that support literacy in the content areas. Emphasis is on the interrelated processes of thinking, writing, reading, listening and speaking of students across languages, modes, and genres. Explores technology as a tool to enhance disciplinary literacies. The role of teacher as researcher is addressed.

**Prerequisite:** ED F670.**Lecture + Lab + Other:** 3 + 0 + 0**Grading System:** Letter Grades with option of Plus/Minus**ED F676 Emerging Instructional Modalities and Strategies**

3 Credits

Offered As Demand Warrants

The course provides students with the skills necessary to support student learning in a variety of pedagogical and technological environments. Students will study the theory, tools, and methods behind emerging instructional modalities and strategies: personalized, adaptive, blended, and hybrid learning; flipped classroom models; online course facilitation; accessibility; and classroom management.

**Lecture + Lab + Other:** 3 + 0 + 0**Grading System:** Letter Grades with option of Plus/Minus**ED F677 Digital Storytelling**

3 Credits

Offered As Demand Warrants

Examines principles of storytelling in general and digital storytelling in particular, paying close attention to the use of digital storytelling to inform, persuade and entertain across various social and cultural institutions. Investigating elements of digital storytelling and creating original digital stories in various media.

**Prerequisites:** Admission to the Master of Education program.**Lecture + Lab + Other:** 3 + 0 + 0**Grading System:** Letter Grades with option of Plus/Minus

**ED F678 Mathematics Methods and Curriculum Development**

3 Credits

Offered Fall

Study and application in the classroom of best practices from research-based strategies for the teaching and learning of mathematical concepts, content and methods for students in elementary classrooms with diverse populations. Requires development and classroom implementation of mathematics unit. Concurrent internship required.

**Prerequisites:** Admission to the post-baccalaureate elementary licensure program; graduate standing.

**Stacked with** ED F478.

**Lecture + Lab + Other:** 2 + 0 + 8

**Grading System:** Letter Grades with option of Plus/Minus

**ED F681 Place-based Education**

3 Credits

Offered As Demand Warrants

An examination of the relationship between local landscape and community and the development of human perception. Emphasis on the importance of the development of ecologically appropriate community-based educational programs in rural and urban schools.

**Prerequisites:** Graduate standing.

**Cross-listed with** CCS F681.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**ED F682 Rethinking Multicultural Education**

3 Credits

Offered Spring Odd-numbered Years

This multi-disciplinary course focuses on two parts: 1) critically analyze and reflect on current multicultural education issues at the national, state, and local level; 2) translate/apply what is learned to individual classrooms, schools, school districts and beyond. Fieldwork required.

**Prerequisite:** Graduate standing.

**Crosslisted with** CCS F682.

**Lecture + Lab + Other:** 3 + 0 + 1

**Grading System:** Letter Grades with option of Plus/Minus

**Repeatable for Credit:** May be taken 1 time for up to 6 credits

**ED F683 Instruction and Assessment in Literacy**

3 Credits

Offered As Demand Warrants

Examines standardized assessments and how they are used in schools, with emphasis on the needs of English Language Learners. Formal and informal assessments are examined and evaluated. The links between assessment and instruction and the implications for teachers, families, and communities are explored. Students will conduct action research around assessment.

**Prerequisites:** ED F673.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**ED F685 Children as Cultural Change Agents**

3 Credits

Offered As Demand Warrants

This course aims at examining, promoting and engaging children as active agents of culture and change. Notions of "children's agency" will be considered in light of Western and non-Western/Indigenous understandings, participatory research methodologies, childhood embodiment, children's rights and ethics, new media technologies, and education for sustainability and social change.

**Prerequisites:** Graduate standing.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**ED F686 Assessment and Testing in Education**

3 Credits

Offered As Demand Warrants

This course provides a foundational knowledge of assessment in K-12 public schools, including interpretation and analysis of multiple and varied assessments. Common national and international assessments are examined. Assessment design practice connects standards, goals, instruction, and learning experiences with varied assessment approaches to document student learning and support curricular decisions.

**Prerequisites:** Admission to the internship year.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**ED F687 Alaska: Resources, People and Perspectives**

3 Credits

Offered Spring and Summer

Introduces a broad range of essential Alaska information for educators including information on history, geography, literature, economics and politics.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**ED F688 Science Methods and Curriculum Development**

3 Credits

Offered Spring

Study and application in the classroom of the best practices from research-based strategies for the teaching and learning of science concepts, content and methods for students in elementary classrooms with diverse populations. Requires development and classroom implementation of science unit. Classroom internship required.

**Prerequisites:** Admission to the post-baccalaureate elementary licensure program; graduate standing.

**Stacked with** ED F479.

**Lecture + Lab + Other:** 2.5 + 0 + 4

**Grading System:** Letter Grades with option of Plus/Minus

**ED F689 Proseminar in Applied Educational Research**

3 Credits

Offered As Demand Warrants

Application of social science and educational research methods to the description and analysis of the student's research topic. The research topic chosen will be the substance of each student's literature review and synthesizing paper. Completion and approval of the synthesizing paper, by the committee, is required for successful completion of this course. Acceptance into an MEd degree program; completion of all required core courses; at least nine credits in the area of concentration.

**Special Notes:** Conceptually integrated with ED F698 (to be taken a subsequent semester), where the final master's project is completed.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Pass/Fail Grades

**ED F690 Seminar in Cross-Cultural Studies**

3 Credits

Offered Fall

Investigation of current issues in cross-cultural contexts. Opportunity for students to synthesize prior graduate studies and research. Seminar is taken near the terminus of a graduate program.

**Prerequisites:** Advancement to candidacy; permission of student's graduate committee.

**Cross-listed with** CCS F690; ANL F690; RD F690.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**Repeatable for Credit:** May be taken 2 times for up to 6 credits

**ED F691 Contemporary Issues in Education**

3 Credits

Offered As Demand Warrants

A critical overview of the current status of the field of education.

Students will participate in a thorough investigation of select problems, trends and issues that presently characterize the institution of public education. Seminar sessions will focus on student research regarding the development, present impact and potential implications of each topic discussed.

**Lecture + Lab + Other:** 3 + 0 + 0**Grading System:** Letter Grades with option of Plus/Minus**Repeatable for Credit:** May be taken unlimited times for up to unlimited credits**ED F692 Seminar**

1-6 Credits

Offered As Demand Warrants

**Lecture + Lab + Other:** 0 + 0 + 0**Grading System:** Letter Grades with option of Plus/Minus**Repeatable for Credit:** May be taken unlimited times for up to 99 credits**ED F692P Seminar**

1-6 Credits

Offered As Demand Warrants

**Lecture + Lab + Other:** 0 + 0 + 0**Grading System:** Letter Grades with option of Plus/Minus**Repeatable for Credit:** May be taken unlimited times for up to 99 credits**ED F698 Non-thesis Research/Project**

1-9 Credits

Offered Fall, Spring and Summer

**Lecture + Lab + Other:** 0 + 0 + 0**Grading System:** Pass/Fail Grades**Repeatable for Credit:** May be taken unlimited times for up to 99 credits**ED F699 Thesis**

1-12 Credits

Offered Fall, Spring and Summer

**Lecture + Lab + Other:** 0 + 0 + 0**Grading System:** Pass/Fail Grades**Repeatable for Credit:** May be taken unlimited times for up to 99 credits